

# **Site Integration and Infrastructure**

**B. A. Austin, Vice President for Safety and Health/(509) 376-0543 for Safeguards and Security (RL-SS-D)**

**N. P. Nunn, Vice President of Project Systems and Support/(509) 373-9724 for Site Systems and Regulatory Analysis (RL-SS01)**

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## OVERVIEW

Site Integration and Infrastructure consists of Project Baseline Summary (PBS) Safeguards and Security (PBS RL-SS-D) and Site Systems and Regulatory Analysis (PBS RL-SS01). PBS SS01 contains four sub-projects:

- Planning and Integration;
- Environmental Compliance Program;
- Systems Engineering and Integration; and
- Hazardous Materials Management and Emergency Response (HAMMER)

NOTE: Unless otherwise noted, all information contained herein is as of the end of March 2003.

## NOTABLE ACCOMPLISHMENTS

### Safeguards and Security, RL-SS-D

**Enhanced Security:** FH Safeguards and Security (SAS) implemented enhanced security measures site-wide on March 17, 2003 in response to the Energy Secretary's order to transition from Security Condition (SECON) 3 to SECON 2 due to military action in Iraq.

**Access Control Enhancement:** To assist Hanford Patrol in verifying the authenticity of security badges, FH SAS implemented a new Security Badge Verification System at the Plutonium Finishing Plant badge house. Bar code technology is utilized to quickly access a database containing pertinent employment verification data that can be viewed on screen by the attending Security Police Officer.

### Planning and Integration (P&I)

**Fiscal Year (FY) 2005 DOE Unified Field Budget Request (UniCall):** FH received guidance from RL on April 4, 2003, for required crosscutting budget submissions. Requested delivery dates will be challenging given the magnitude of the data requested and that FH sub-projects are currently updating budget baselines consistent with FH contract modifications. Field personnel have been contacted and provided the appropriate directions and input templates to support this effort. P&I will coordinate formal FH product submittals to RL.

**FH Life Cycle Rebaselining:** The following activities occurred in support of the June 30, 2003 FH Life Cycle Rebaselining effort.

The FY 2004 to FY 2006 planning rates were updated in Primavera Project Planner (P3) scheduling system and Resource Pricing System (RPS) to reflect the revisions to company organizational overhead rates due to the recent FH re-organization.

Coding structure guidance updates for the Critical Path Schedule were provided to the FH sub-projects for use in their detailed P3 files to support the creation of a FH critical path schedule.

Project staffs were provided with updates to existing estimates and creation of new scope estimates in standard estimating software (Maestro). Estimate reports have been established in Maestro and were made available to project staffs. A central location has been established on a file server for access to the latest version of the Maestro software and for storage of project estimate files.

## **NOTABLE ACCOMPLISHMENTS, CONTINUED**

Support is being provided to the validation of project baselines. This effort included generation of interim reconciliation reports that are being utilized by FH sub-projects to verify consistency with the FH contract commitments, funding targets, pricing rates, etc.

Systems changes continue to be developed. Modifications to the Work Breakdown Structure (WBS) control table have been completed and the new WBS has been loaded into the planning systems. Changes to the Project Execution and Reporting Module (PERM) and the Hanford Data Integrator (HANDI) are being implemented to accommodate the changes in the structural WBS usage and revised Baseline Displays.

**Internal Project Reviews:** Coordination and presentation of the first electronic FH Internal Project Review occurred on March 17, 2003. This effort was focused on the streamlining of project performance reviews and eliminating production costs associated with hard copy reports.

**RL/FH Quarterly Project Management Meetings (PMMs):** Development of the electronic internal review format was extended to the new PMM format. RL concurrence was obtained for said electronic format at the next PMM (scheduled for May 1, 2003).

**Project Hanford Management Contract (PHMC) Performance Report:** The February status report was delivered to RL on March 27, 2003, and distributed to all addressees on April 1, 2003.

### **Environmental Compliance Program (ECP)**

**Annual Non-radioactive Airborne Emissions Report:** The 2002 Non-radioactive Airborne Emissions Report was submitted to RL on March 31, 2003, which completed tracked deliverable ECP-03-804 one day early.

**Third quarter Resource Conservation and Recovery Act of 1976 (RCRA) Permit Class I Modification Notification:** The third quarter RCRA Class I Modification Notification was submitted to RL on March 26, 2003, which completed tracked deliverable ECP-03-705 five days early.

**Accumulation Area Management Assessment:** An Accumulation Area Management Assessment was completed to assess how the implementation of the Integrated Safety Management System (ISMS) processes and HNF-PRO-5122 (*Dangerous Waste Generator Activities*) ensures FH sub-projects meet 90-day and Satellite Accumulation Area requirements. The assessment activity took place at selected FH facilities February 28, 2003, through March 27, 2003. The final report was completed on March 31, 2003.

**Environmental Protection Program Workshop:** Staff attended the DOE Order 450.1 *Environmental Protection Program* Workshop. The two-day workshop was provided through a video satellite downlink to RL and addressed the implementation of Environmental Management Systems (EMS) within the DOE Complex. The DOE Order 450.1 cancelled DOE Order 5400.1 *General Environmental Protection Program* and implements Executive Order 13148 *Greening of America Through Leadership in Environmental Management*, which is required to be fully implemented by December 31, 2005, and must be part of the ISMS. A workshop summary report was completed and transmitted internally following the workshop.

## **NOTABLE ACCOMPLISHMENTS, CONTINUED**

**Hanford EMS Working Group:** FH EMS representatives attended the first meeting of the Hanford Environmental Management Systems Working Group (HEMSWG) held March 11, 2003. The working group was established in February 2003, as authorized through the Hanford Site Central Environmental Committee (CEC) charter, to facilitate and coordinate EMS programs across the Hanford Site. RL commended the CEC Hanford Contractors on their foresight and leadership in helping Hanford maintain its leadership in incorporating International Standards Organization 14001 EMS concepts into their ISMS (RL Letter #03-RCA-0140).

**Regulator Inspection Support:** The following regulator facility inspections and follow-up to information and/or action requests were coordinated:

- On March 5, 2003, the State of Washington Department of Ecology (Ecology) conducted a follow-up inspection of their Non-Radioactive Air Inspection of the Waste Sampling and Characterization Facility.
- On March 5, 2003, Ecology conducted a follow-up inspection of their Non-Radioactive Air Inspection of 222-S.
- On March 10, 2003, the State of Washington Department of Health (WDOH) observed video testing of the T Plant Stack [verified notice of construction (NOC) condition, not an inspection].
- On March 27, 2003, WDOH conducted a follow-up inspection of the Stack upgrade project at T Plant in support of the K Basin Sludge Storage mission.
- On March 25, 2003 ECP provided RL-Regulatory Compliance and Analysis Division, with a Regulatory Agency Inspection Database report of regulatory agency compliance inspections of FH facilities and areas for the second quarter of FY 2003.

**Spill and Release Reporting:** Appropriate reporting responses were coordinated for six non-reportable releases. There were three reportable events with no release to the environment reported to the regulatory agencies through the Occurrence Notification Center (ONC).

## **Systems Engineering and Integration (SEI)**

**System Engineering Management System Solution:** In support of the efforts under the Hanford Site Analyses and Models and the Hanford Site Requirements Analysis Reports, the following work was accomplished:

- PHMC Modification 176 was issued in March 2003. This modification resulted in elimination of 80 reports by mutual agreement with RL. In addition, several corrections were made to the lists of waste sites and buildings that FH has responsibility to manage.
- Work continued with the FH sub-projects to define the WBS in support of the FH Life Cycle Rebaselining deliverable. Dictionaries are being produced from the Hanford Site Technical Database (HSTD) and provided to the FH sub-projects for their review and comment. Changes have been made to the format of the WBS dictionaries to clearly identify buildings, waste sites and WBS interfaces.
- Initial discussions have been held to support the Business Risk Management Framework (BRMF) analysis of FH sub-projects. Preliminary output has been provided to the FH sub-projects to incorporate into the FH Life Cycle Rebaselining deliverable. Additional analysis is being performed on the cross-cutting, company-level risk issues.



## NOTABLE ACCOMPLISHMENTS, CONTINUED

**System Engineering Technical Products:** In support of the efforts for Prime Contract Integration, the following work was completed:

- Continuing to work with the FH sub-projects to identify interface management documentation for the FH interfaces. This information will be included in the FH WBS dictionaries.
- Issued the first quarterly Government Furnished Services/Items (GFS/I) transmittal letter to RL. The letter identified all past due GFS/I, requested changes to GFS/I and included a complete list of PHMC GFS/I. The letter was officially transmitted as scheduled on March 19, 2003.

## HAMMER

**Hanford Site Training at HAMMER:** HAMMER's first priority is to deliver hands-on training to the Hanford workforce. During March, 189 classes were conducted at the Volpentest HAMMER facility, for a total of 3,086 Hanford site student days. Highest attended health and safety classes included Hazardous Waste Operations, Respiratory Protection, Radiation Worker II Requalification, Basic Medic First Aid training and Hanford Fire Department training.

**Brokered Classes:** In support of the Hanford site training needs, HAMMER brokered or facilitated facility specific, site specific and multi-contractor training covering 16 topics within 19 sessions. The topics covered included Operational Readiness Review for RL; Work Process Streamlining for CH2M HILL; Field work Supervisor, Leadership Essentials, Human Performance Improvement and Supply Chain Process for FH; and Intro to Transportation Safety for Duratek Federal Services of Hanford, Inc. (DFSH). Multi-contractor training was also provided to Pacific Northwest National Laboratory for Hanford Technical Library Presents, and to DFSH for Introduction to Hanford Transportation Safety and Leadership training.

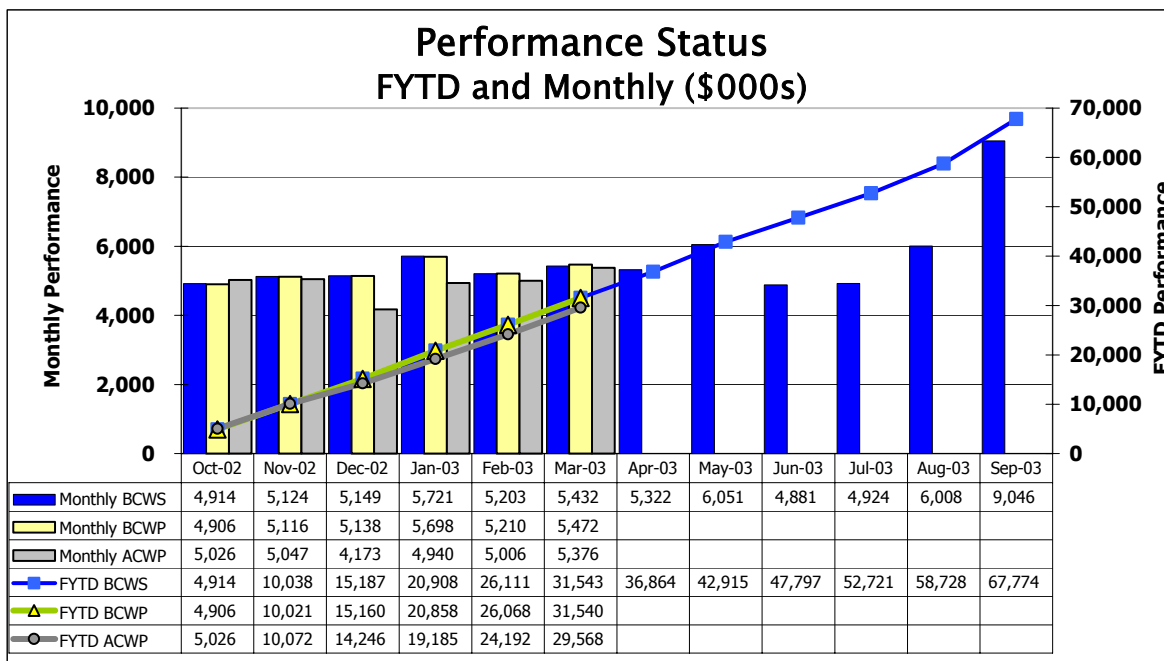
## FY03 SCHEDULE/COST PERFORMANCE (\$000)

**Schedule Performance:** The schedule performance variance of 0% (\$-3K) is within the established +/- 10 percent or \$1M threshold, therefore no variance analysis is provided.

**Cost Performance:** The positive cost performance variance of 13.9% (\$1,404K) is mainly due to the prior spending restraint during continuing resolution. Now that the continuing resolution has ended, equipment and service contracts are being let. Also included in the variance is an over-liquidation due to revenue being planned at 32.4% while it is presently being allocated at 34.7%. This over-liquidation could result in a potential favorable pass-back to customers or reduction in rates.

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-SS-D Safeguards & Security	21,406	21,406	20,838	0	0%	568	3%	44,407
RL-SS01 Site Systems & Regulatory Analysis	10,136	10,133	8,730	-3	0%	1,404	14%	23,367
Other Direct PBSs	<b>31,543</b>	<b>31,540</b>	<b>29,568</b>	<b>-3</b>	<b>0%</b>	<b>1,972.0</b>	<b>6%</b>	<b>67,774</b>

## FY03 SCHEDULE/COST PERFORMANCE , CONTINUED



## FY 2003 FH FUNDS VS FORECAST (\$000)

	Expected Funds	Spend Forecast	Variance
<b>RL-SS01 Site Integration</b>			
<b>Post 2006 - Operating</b>	\$ 22,249	\$ 19,430	\$ 2,819
<b>RL-SS-D Safeguards &amp; Security</b>			
<b>Safeguards &amp; Security</b>	\$ 48,032	\$ 48,032	\$ 0
<b>Other Direct PBSs</b>	\$ 70,281	\$ 67,462	\$ 2,819